

#2

OIPE

## RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/905,674

TIME: 13:18:18

Input Set : A:\521.app.txt

Output Set: N:\CRF3\07272001\I905674.raw

ENTERED

4 <110> APPLICANT: Reinhard, Christoph  
 5 Garcia, Pablo  
 8 <120> TITLE OF INVENTION: TETRASPAN PROTEIN AND USES THEREOF  
 11 <130> FILE REFERENCE: PP-01700.002/200130.521  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/905,674  
 14 <141> CURRENT FILING DATE: 2001-07-13  
 16 <160> NUMBER OF SEQ ID NOS: 14  
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 1388  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Homo sapiens  
 25 <220> FEATURE:  
 26 <221> NAME/KEY: misc\_feature  
 27 <222> LOCATION: 1285, 1377  
 28 <223> OTHER INFORMATION: n = A,T,C or G /  
 30 <221> NAME/KEY: misc\_feature  
 31 <222> LOCATION: 1285, 1377  
 32 <223> OTHER INFORMATION: n = A,T,C or G  
 34 <400> SEQUENCE: 1  
 35 ctctcctcggc cgagccgggc cgcgcggccg ctgcgcgcgc cgcgcgcgga ttctgcttct 60  
 36 cagaagatgc actattatag atactetaac gccaaagtca gctgctggta caagtacctc 120  
 37 cttttcagct acaacatcat cttctggttg gctggagttg tcttccttgg agtcgggctg 180  
 38 tgggcatgga gcgaaaagg tgtgctgtcc gacctacca aagtgacctg gatgcatgga 240  
 39 atcgaccctg tgggtgctggt cctgatggtg ggcgtggtga tgttcacctt ggggttcgcc 300  
 40 ggctgcgtgg gggctctgcg ggagaatata tgcttgctca actttttctg tggcaccatc 360  
 41 gtgctcatct tcttcctgga gctggctgtg gccgtgctgg ccttcctggt ccaggactgg 420  
 42 gtgagggacc ggttcgggga gttcttcgag agcaacatca agtcctaccg ggacgatata 480  
 43 gatctgcaaa acctcatcga ctcccttcag aaagctaacc agtgcgtggt cgcataatggc 540  
 44 cctgaagact gggacctcaa cgtctacttc aattgcagcg gtgccageta cagccgagag 600  
 45 aagtgcgggg tccccctctc ctgctgcgtg ccagatcctg cgcaaaaagt tgtgaacaca 660  
 46 cagtgtggat atgatgtcag gattcagctg aagagcaagt gggatgagtc catcttcacg 720  
 47 aaaggctgca tccaggcgct ggaaagctgg ctcccgcgga acatttacat tgtggctggc 780  
 48 gtcttcacgc ccactcgcgt gttgcagata tttggcatct tcctggcaag gacgctgac 840  
 49 tcagacatcg aggcagtgaa ggccggccat cacttctgag gacgagagtt gagggagccg 900  
 50 agctgagcca cgctgggagg ccagagcctt tctctgccat cagccctaag tccagaggga 960  
 51 gaggagccga cccccccaga gccagtgcct catcttaagc atcagcgtga cgtgacctct 1020  
 52 ctgtttctgc ttgctggtgc tgaagaccaa gggctccctt tgtaacctgc ccaaacttgt 1080  
 53 gactgcatcc ctctggagtc taccagaga cagagaatgt gtctttatgt gggagtgggt 1140  
 54 actctgaaag acagagagg ctcctgtggc tgccaggagg gcttgactca gacccctgc 1200  
 55 agctcaagca tgtctgcagg acacctggt cccctctcc aytggcwtcc agacatctgc 1260  
 56 tttgggtcat ccacatctgt ggggtnggcc tgggtagagg gaccacagg cgtggacagg 1320  
 57 gcatctctct ccataagca aagcagcatg gggggccttg ccgtaaacgg gaggcgngac 1380  
 58 gttggccc 1388  
 60 <210> SEQ ID NO: 2  
 61 <211> LENGTH: 270  
 62 <212> TYPE: PRT

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63 &lt;213&gt; ORGANISM: Homo sapiens

65 &lt;400&gt; SEQUENCE: 2

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66 Met His Tyr Tyr Arg Tyr Ser Asn Ala Lys Val Ser Cys Trp Tyr Lys
67 1 5 10 15
68 Tyr Leu Leu Phe Ser Tyr Asn Ile Ile Phe Trp Leu Ala Gly Val Val
69 20 25 30
70 Phe Leu Gly Val Gly Leu Trp Ala Trp Ser Glu Lys Gly Val Leu Ser
71 35 40 45
72 Asp Leu Thr Lys Val Thr Arg Met His Gly Ile Asp Pro Val Val Leu
73 50 55 60
74 Val Leu Met Val Gly Val Val Met Phe Thr Leu Gly Phe Ala Gly Cys
75 65 70 75 80
76 Val Gly Ala Leu Arg Glu Asn Ile Cys Leu Leu Asn Phe Phe Cys Gly
77 85 90 95
78 Thr Ile Val Leu Ile Phe Phe Leu Glu Leu Ala Val Ala Val Leu Ala
79 100 105 110
80 Phe Leu Phe Gln Asp Trp Val Arg Asp Arg Phe Arg Glu Phe Phe Glu
81 115 120 125
82 Ser Asn Ile Lys Ser Tyr Arg Asp Asp Ile Asp Leu Gln Asn Leu Ile
83 130 135 140
84 Asp Ser Leu Gln Lys Ala Asn Gln Cys Cys Gly Ala Tyr Gly Pro Glu
85 145 150 155 160
86 Asp Trp Asp Leu Asn Val Tyr Phe Asn Cys Ser Gly Ala Ser Tyr Ser
87 165 170 175
88 Arg Glu Lys Cys Gly Val Pro Phe Ser Cys Cys Val Pro Asp Pro Ala
89 180 185 190
90 Gln Lys Val Val Asn Thr Gln Cys Gly Tyr Asp Val Arg Ile Gln Leu
91 195 200 205
92 Lys Ser Lys Trp Asp Glu Ser Ile Phe Thr Lys Gly Cys Ile Gln Ala
93 210 215 220
94 Leu Glu Ser Trp Leu Pro Arg Asn Ile Tyr Ile Val Ala Gly Val Phe
95 225 230 235 240
96 Ile Ala Ile Ser Leu Leu Gln Ile Phe Gly Ile Phe Leu Ala Arg Thr
97 245 250 255
98 Leu Ile Ser Asp Ile Glu Ala Val Lys Ala Gly His His Phe
99 260 265 270

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102 &lt;210&gt; SEQ ID NO: 3

103 &lt;211&gt; LENGTH: 25

104 &lt;212&gt; TYPE: DNA

105 &lt;213&gt; ORGANISM: Artificial Sequence

107 &lt;220&gt; FEATURE:

108 &lt;223&gt; OTHER INFORMATION: Oligonucleotide sequence

110 &lt;400&gt; SEQUENCE: 3

111 tgcagccttt cgtgaagatg gactc

25

113 &lt;210&gt; SEQ ID NO: 4

114 &lt;211&gt; LENGTH: 25

115 &lt;212&gt; TYPE: DNA

116 &lt;213&gt; ORGANISM: Artificial Sequence

118 &lt;220&gt; FEATURE:

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119 <223> OTHER INFORMATION: Oligonucleotide sequence
121 <400> SEQUENCE: 4
122 ccccatgctg ctttgettga tggag 25
124 <210> SEQ ID NO: 5
125 <211> LENGTH: 23
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Oligonucleotide sequence
132 <400> SEQUENCE: 5
133 gctcagctcg gtcacctcaa ctc 23
135 <210> SEQ ID NO: 6
136 <211> LENGTH: 25
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Oligonucleotide sequence
143 <400> SEQUENCE: 6
144 cacaagtttg ggcaggtaac aaggg 25
146 <210> SEQ ID NO: 7
147 <211> LENGTH: 25
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Oligonucleotide sequence
154 <400> SEQUENCE: 7
155 agaggtcacg tcacgctgat gctta 25
157 <210> SEQ ID NO: 8
158 <211> LENGTH: 25
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Oligonucleotide sequence
165 <400> SEQUENCE: 8
166 ctcaggtaga agtgctttcc gacgt 25
168 <210> SEQ ID NO: 9
169 <211> LENGTH: 25
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Oligonucleotide sequence
176 <400> SEQUENCE: 9
177 gaggtagttc gtttcgctgt acccc 25
179 <210> SEQ ID NO: 10
180 <211> LENGTH: 23
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Oligonucleotide sequence

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Input Set : A:\521.app.txt

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187 <400> SEQUENCE: 10
188 ctcaactccc tcggtctcgac tcg                23
190 <210> SEQ ID NO: 11
191 <211> LENGTH: 25
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Oligonucleotide sequence
198 <400> SEQUENCE: 11
199 gggaacaatg gacgggtttg aacac                25
201 <210> SEQ ID NO: 12
202 <211> LENGTH: 25
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Oligonucleotide sequence
209 <400> SEQUENCE: 12
210 attcgtagtc gcactacgct ggaga                25
212 <210> SEQ ID NO: 13
213 <211> LENGTH: 24
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapiens
217 <400> SEQUENCE: 13
218 Ala Trp Ser Glu Lys Gly Val Leu Ser Asp Leu Thr Lys Val Thr Arg
219 1      5      10      15
220 Met His Gly Ile Asp Pro Val Val
221      20
224 <210> SEQ ID NO: 14
225 <211> LENGTH: 120
226 <212> TYPE: PRT
227 <213> ORGANISM: Homo sapiens
229 <400> SEQUENCE: 14
230 Phe Leu Phe Gln Asp Trp Val Arg Asp Arg Phe Arg Glu Phe Phe Glu
231 1      5      10      15
232 Ser Asn Ile Lys Ser Tyr Arg Asp Asp Ile Asp Leu Gln Asn Leu Ile
233      20      25      30
234 Asp Ser Leu Gln Lys Ala Asn Gln Cys Cys Gly Ala Tyr Gly Pro Glu
235      35      40      45
236 Asp Trp Asp Leu Asn Val Tyr Phe Asn Cys Ser Gly Ala Ser Tyr Ser
237      50      55      60
238 Arg Glu Lys Cys Gly Val Pro Phe Ser Cys Cys Val Pro Asp Pro Ala
239 65      70      75      80
240 Gln Lys Val Val Asn Thr Gln Cys Gly Tyr Asp Val Arg Ile Gln Leu
241      85      90      95
242 Lys Ser Lys Trp Asp Glu Ser Ile Phe Thr Lys Gly Cys Ile Gln Ala
243      100     105     110
244 Leu Glu Ser Trp Leu Pro Arg Asn
245      115     120

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/905,674

DATE: 07/27/2001  
TIME: 13:18:19

Input Set : A:\521.app.txt

Output Set: N:\CRF3\07272001\I905674.raw

L:13 M:270 C: Current Application Number differs, Wrong Format  
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1